

How to Use this Template

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GitHub Username: petq01

Xkcd comics

Description

The app allows user to read newest comics.

He can add favorite comics via heart button.

On main screen he can select list of favorites, current comics or random.

He can page navigate different pages of comics.

"Add to widget" button user can save story of comics.

Intended User

User who loves reading comics and is a fan of memes.

Features

List the main features of your app. For example:

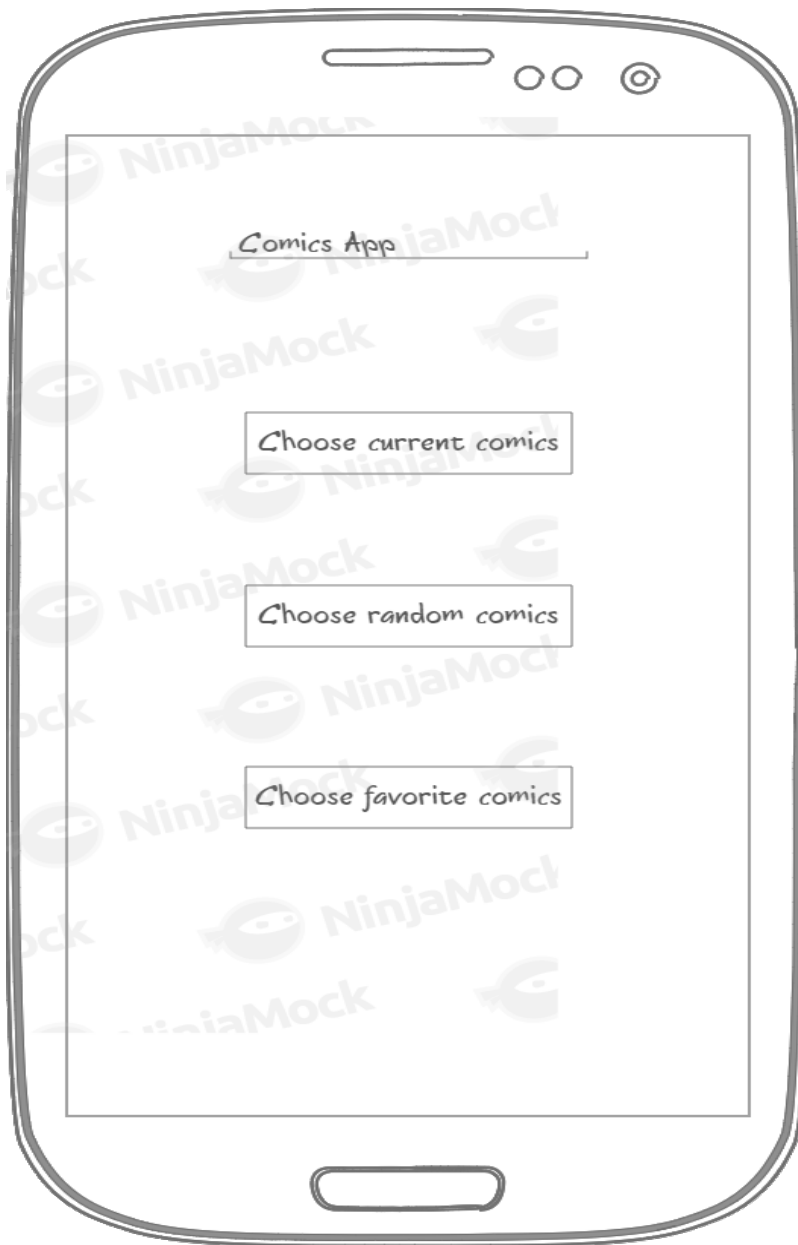
- Saves information in local storage, like title, and story of comics. To have personalized list of favorite collection.
- Navigation thought list of favorite collection and api call.

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

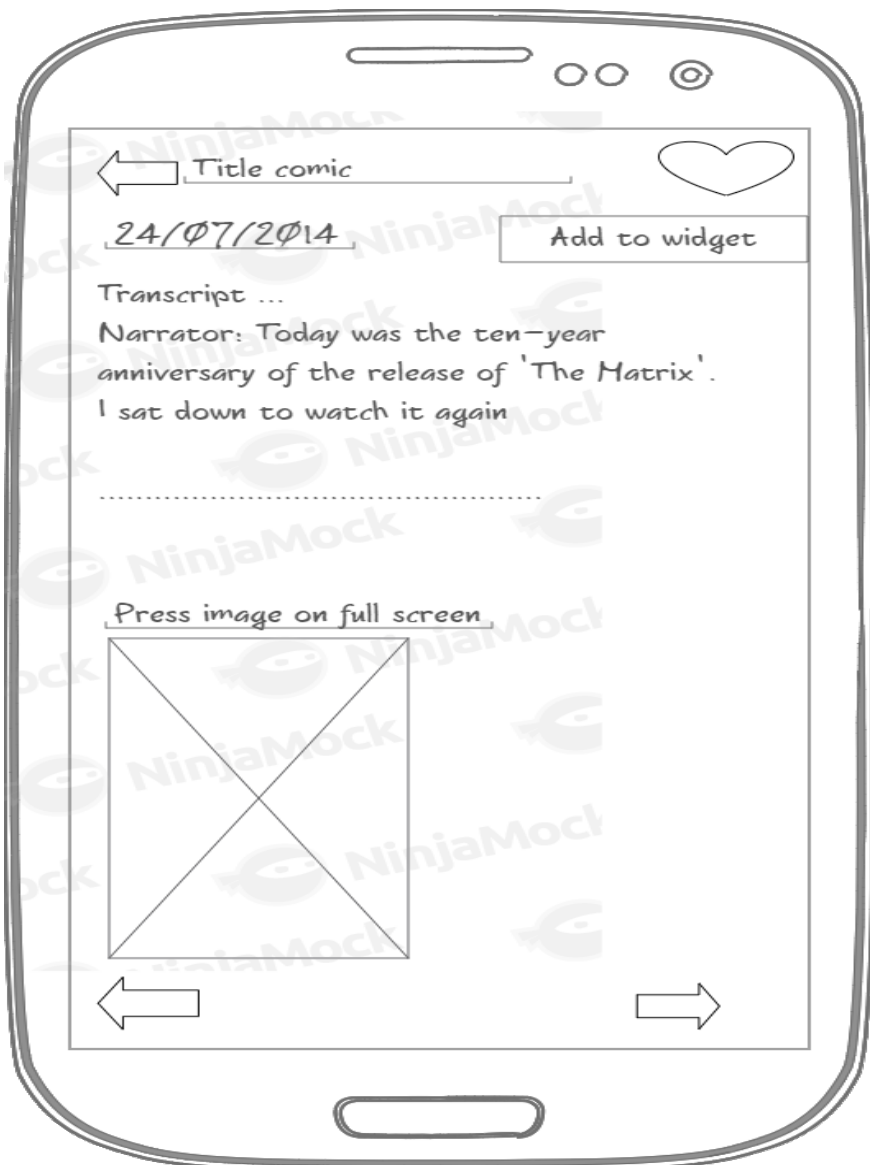
Screen 1

Main screen
choose which
category comics
you should read.



Screen 2

Detail screen of comics. Add button to favorite collection. Image shows on fullscreen on click. Button add to widget adds transcript of story of the comics.



Key Considerations

How will your app handle data persistence?

Describe how your app will handle data. (For example, will you build a Content Provider ?)
Content provider with Room persistence library

Describe any edge or corner cases in the UX.

On rotate device it save instance and app not crashing.

Describe any libraries you'll be using and share your reasoning for including them.

Room Persistence library, RxAndroid, Retrofit, Design

Describe how you will implement Google Play Services or other external services.

Admob – for free version and paid

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure libraries

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI Fragments CategoryFragment and DetailFragment, FavoritesFragment

Task 3: Setup flavours

- “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”
- Create unit tests

Task 4: Setup relationships of db

- Create favorites table
- Save transcript in widget

Task 5: Create proper navigation

- Save preference on number selected and move arrows between comics

Task 6: Zoom picture in full screen

- Click on image to make it on fullscreen comics

Task 7: Make nice colors and accents, choose nice fonts

- Choose useful layouts and nice views for the user

API URL

<https://xkcd.com/json.html>

Add as many tasks as you need to complete your app.

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"